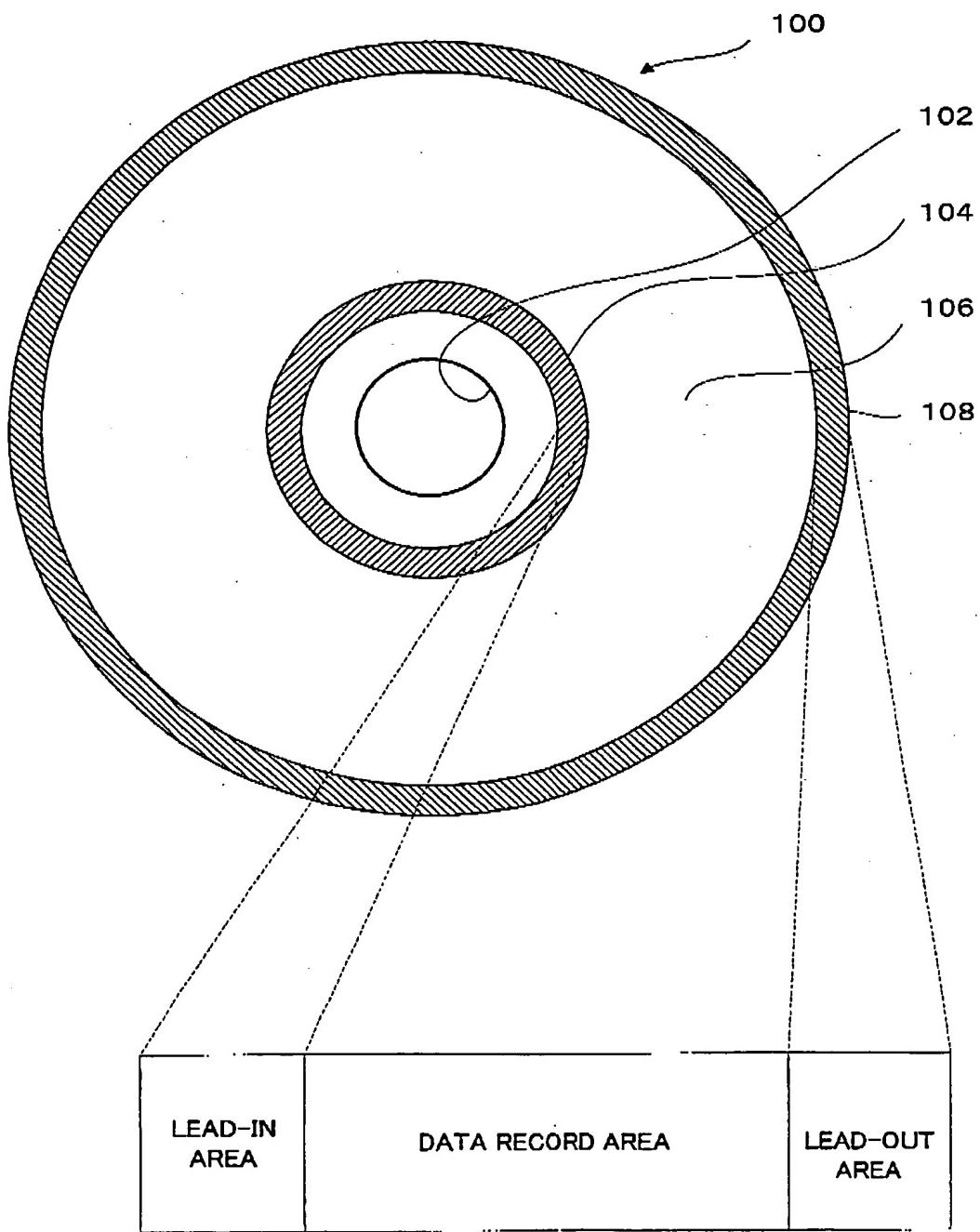


1/38

FIG. 1



BEST AVAILABLE COPY

2/38

FIG. 2
(a) PROGRAM STREAM

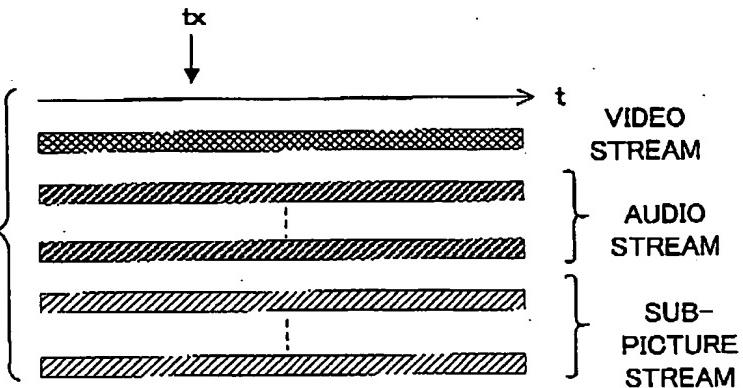


FIG. 2
(b) TS (TRANSPORT STREAM)

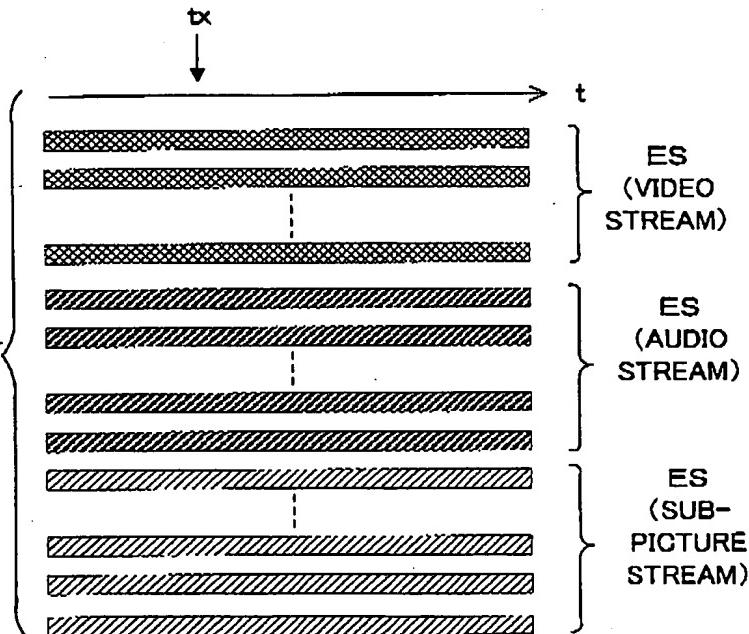
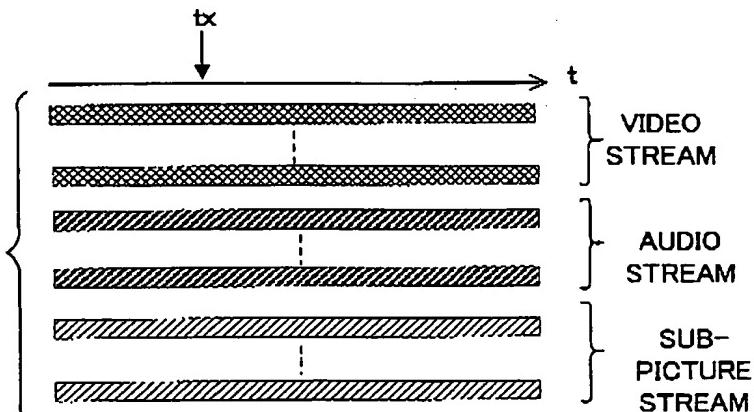
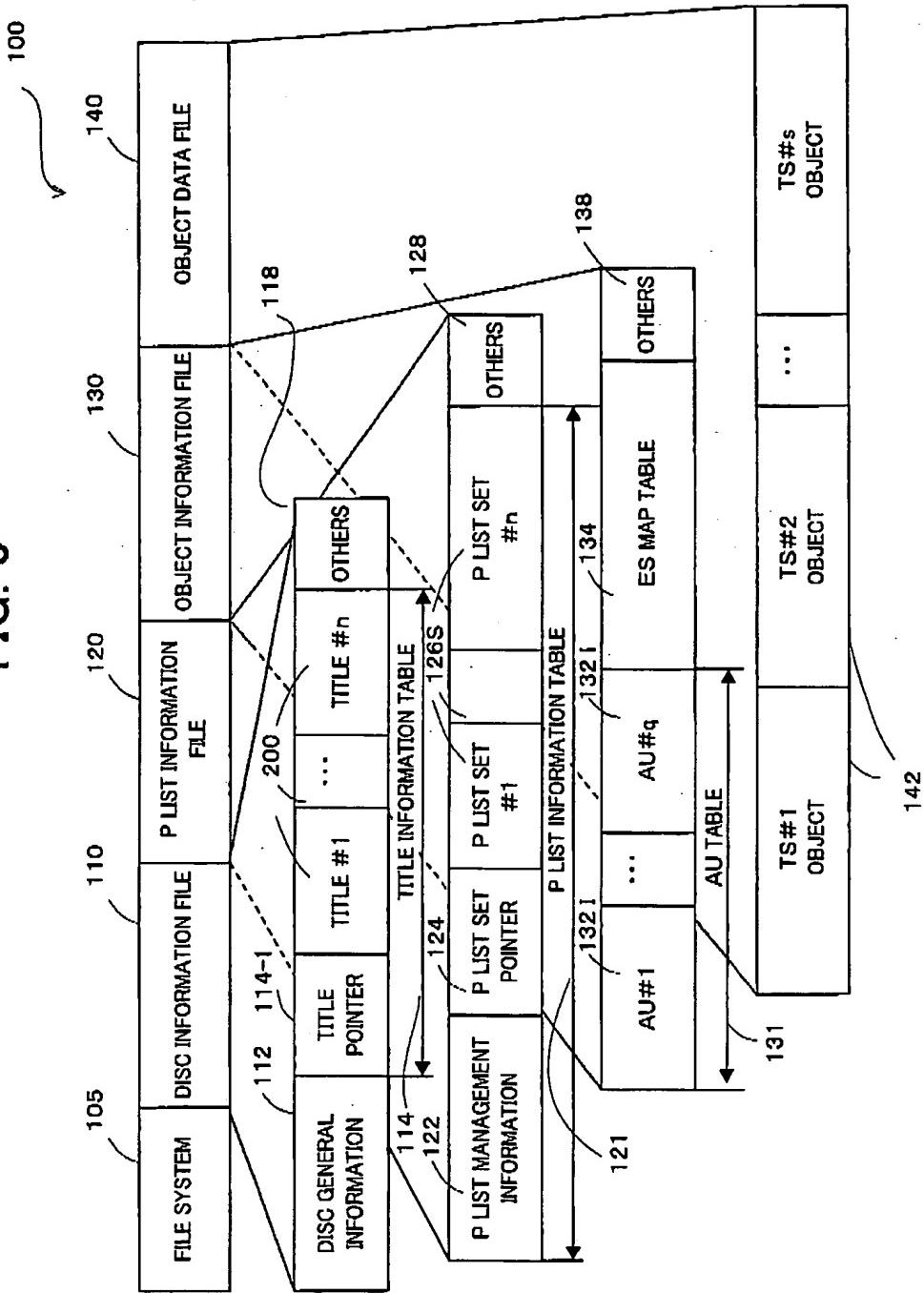


FIG. 2
(c) PROGRAM STREAM



3/38

FIG. 3

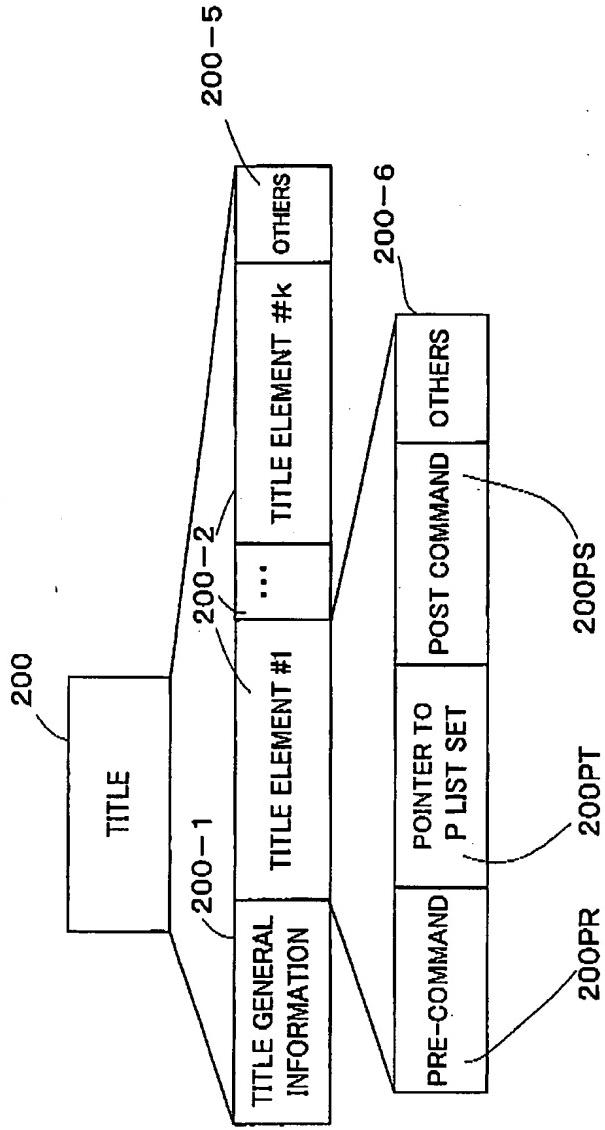


10/529865

DOCKET NO.: 8048-1100
INVENTOR: NOBUYUKI TAKAKUWA ET AL.
FILING DATE: APRIL 1, 2005
TITLE: INFORMATION RECORD MEDIUM, INFORMATION RECORD APPARATUS AND METHOD,
INFORMATION REPRODUCTION APPARATUS AND METHOD, INFORMATION RECORD

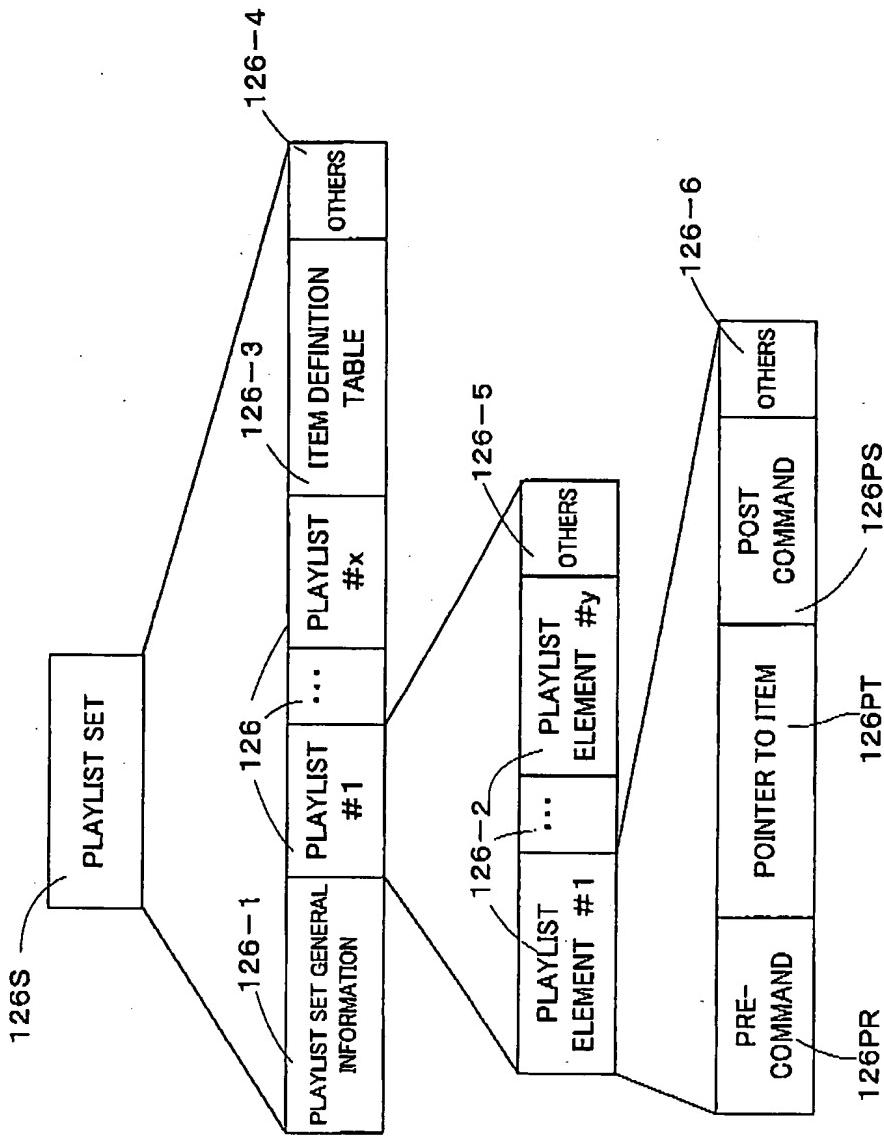
4/38

FIG. 4



5/38

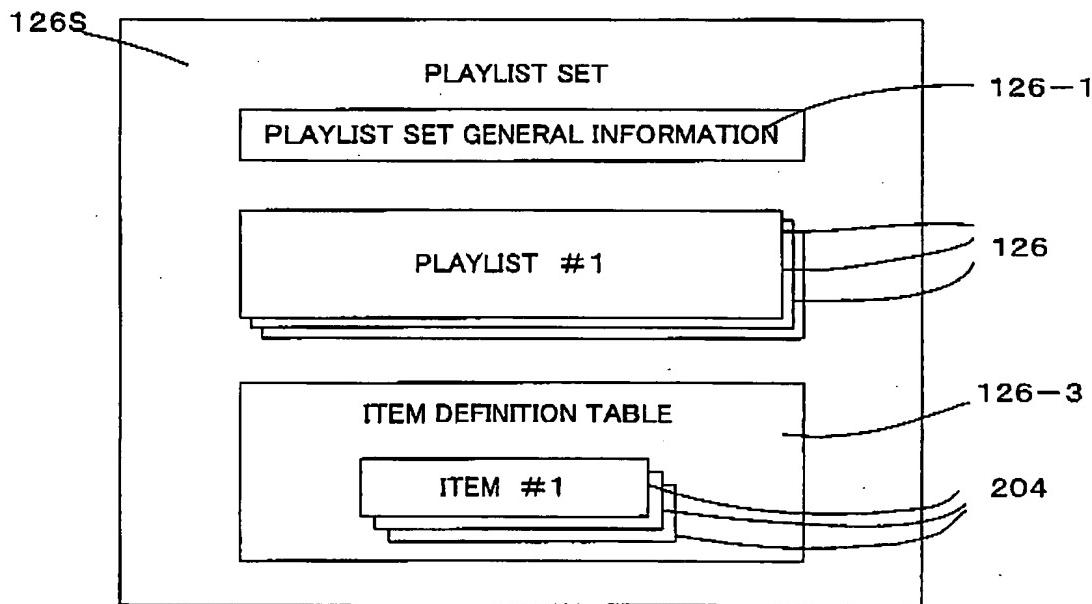
FIG. 5



TITLE: INFORMATION RECORD MEDIUM, INFORMATION RECORD APPARATUS AND METHOD,
INFORMATION REPRODUCTION APPARATUS AND METHOD, INFORMATION RECORD

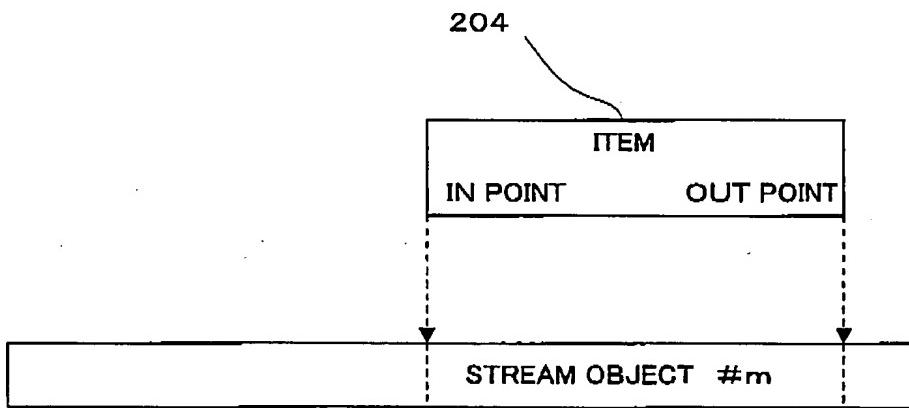
6/38

FIG. 6



7/38

FIG. 7



10/529865

DOCKET NO.: 8048-1100

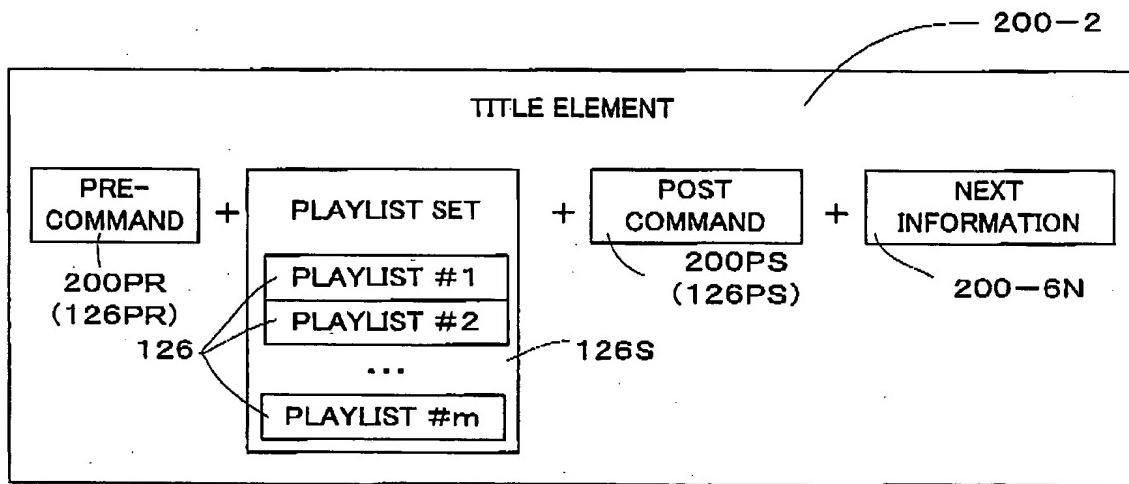
INVENTOR: NOBUYUKI TAKAKUWA ET AL.

FILING DATE: APRIL 1, 2005

TITLE: INFORMATION RECORD MEDIUM, INFORMATION RECORD APPARATUS AND METHOD,
INFORMATION REPRODUCTION APPARATUS AND METHOD, INFORMATION RECORD

8/38

FIG. 8



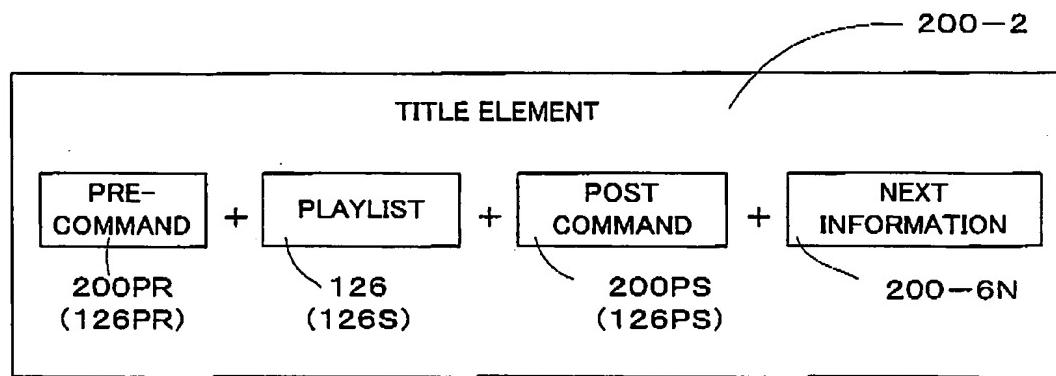
10/529865

DOCKET No.: 8048-1100
INVENTOR: NOBUYUKI TAKAKUWA ET AL.
FILING DATE: APRIL 1, 2005

TITLE: INFORMATION RECORD MEDIUM, INFORMATION RECORD APPARATUS AND METHOD,
INFORMATION REPRODUCTION APPARATUS AND METHOD, INFORMATION RECORD

9/38

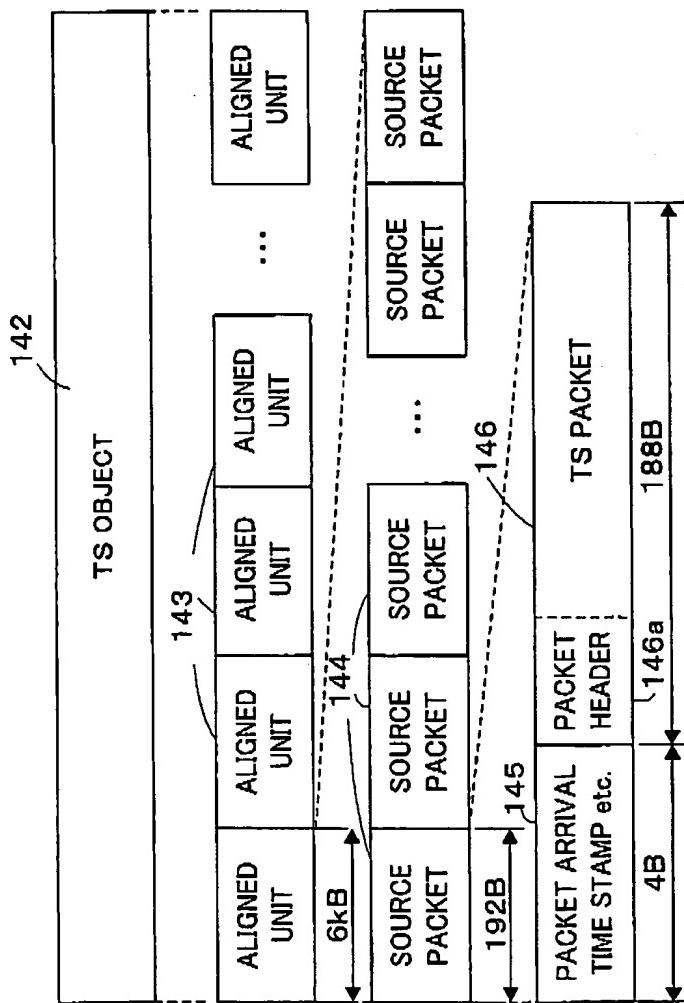
FIG. 9



10/529865

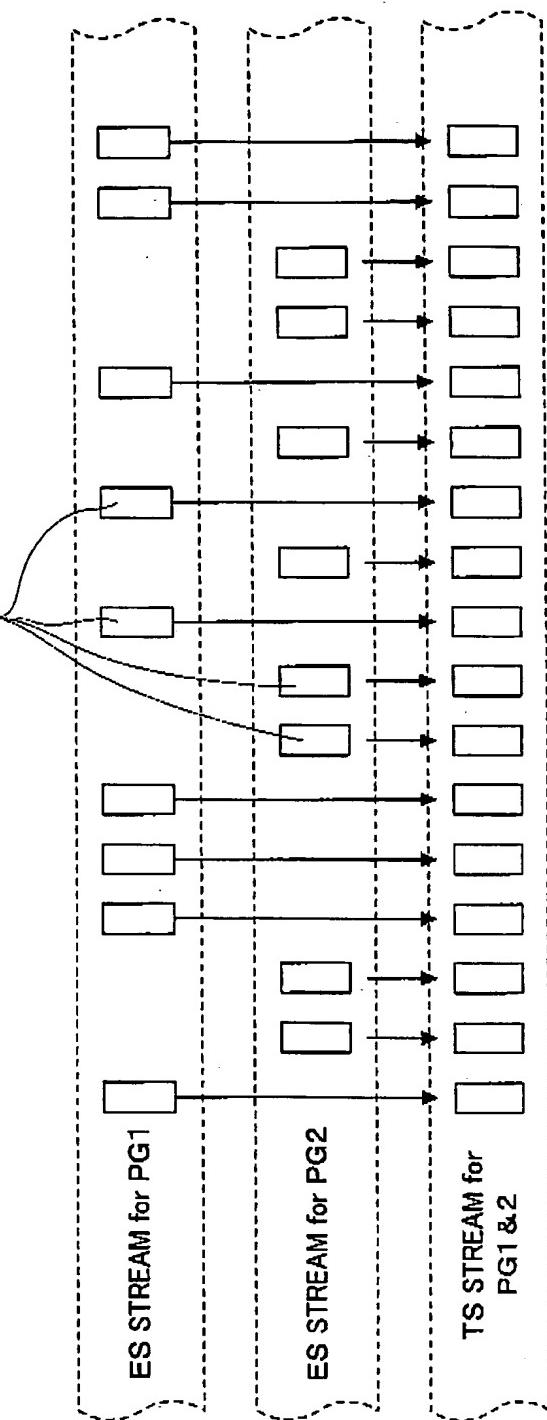
10/38

FIG. 10



11/38

FIG. 11



10/15/2005 6:55

TITLE: INFORMATION RECORD MEDIUM, INFORMATION RECORD APPARATUS AND METHOD,
INFORMATION REPRODUCTION APPARATUS AND METHOD, INFORMATION RECORD

12/38

FIG. 12

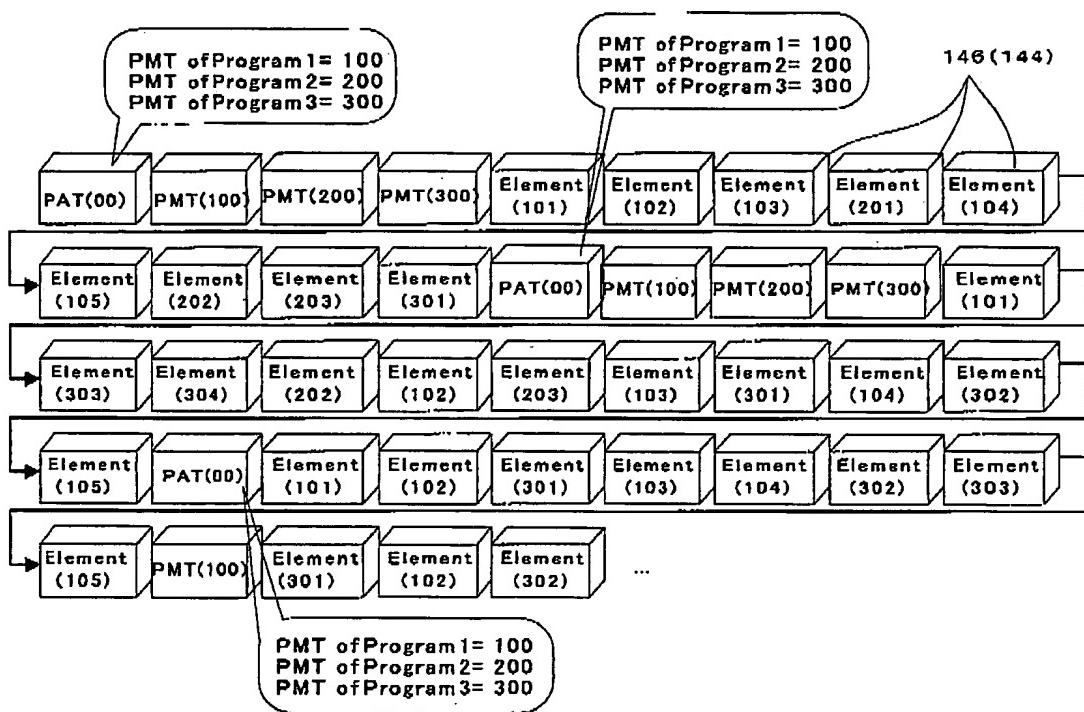
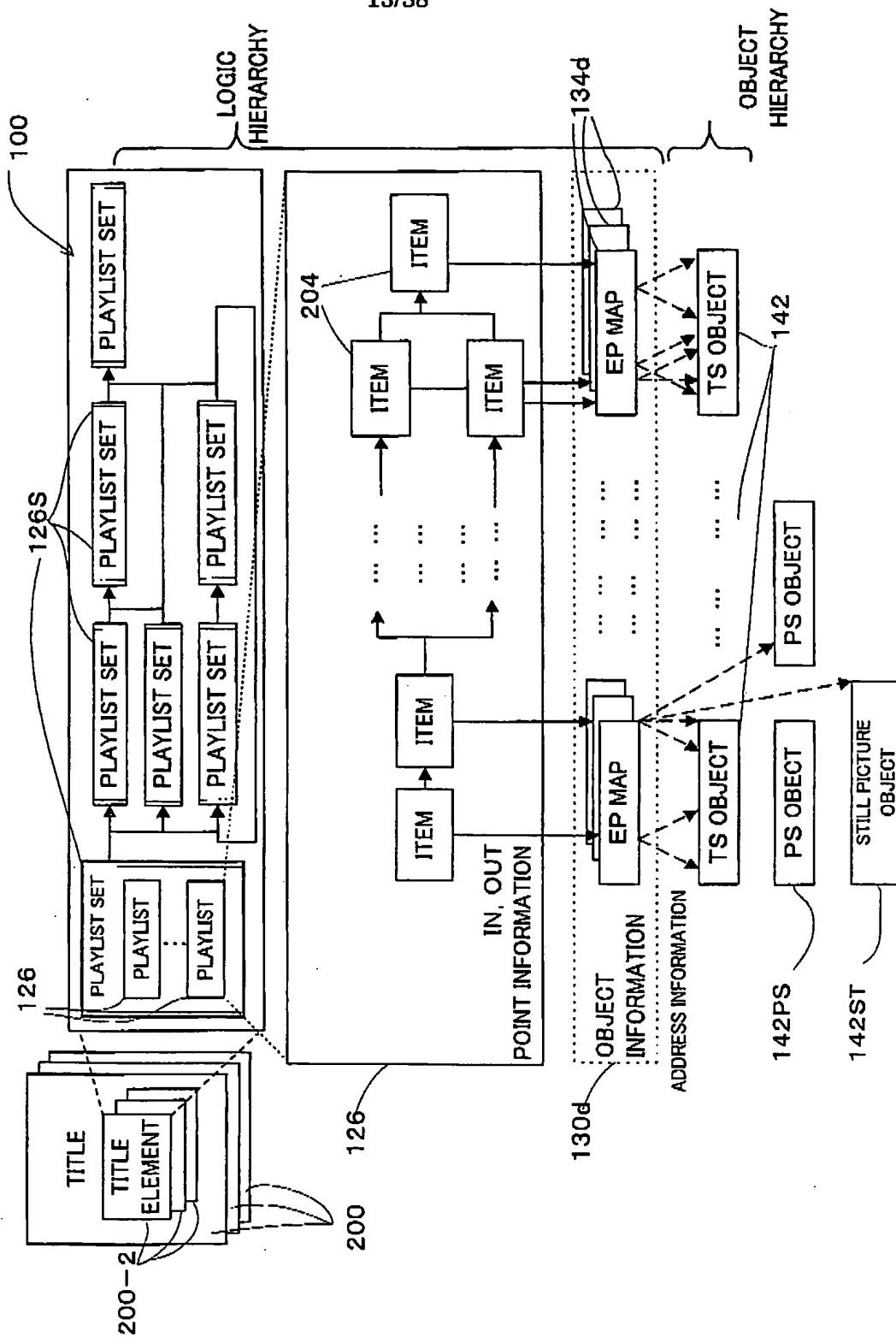


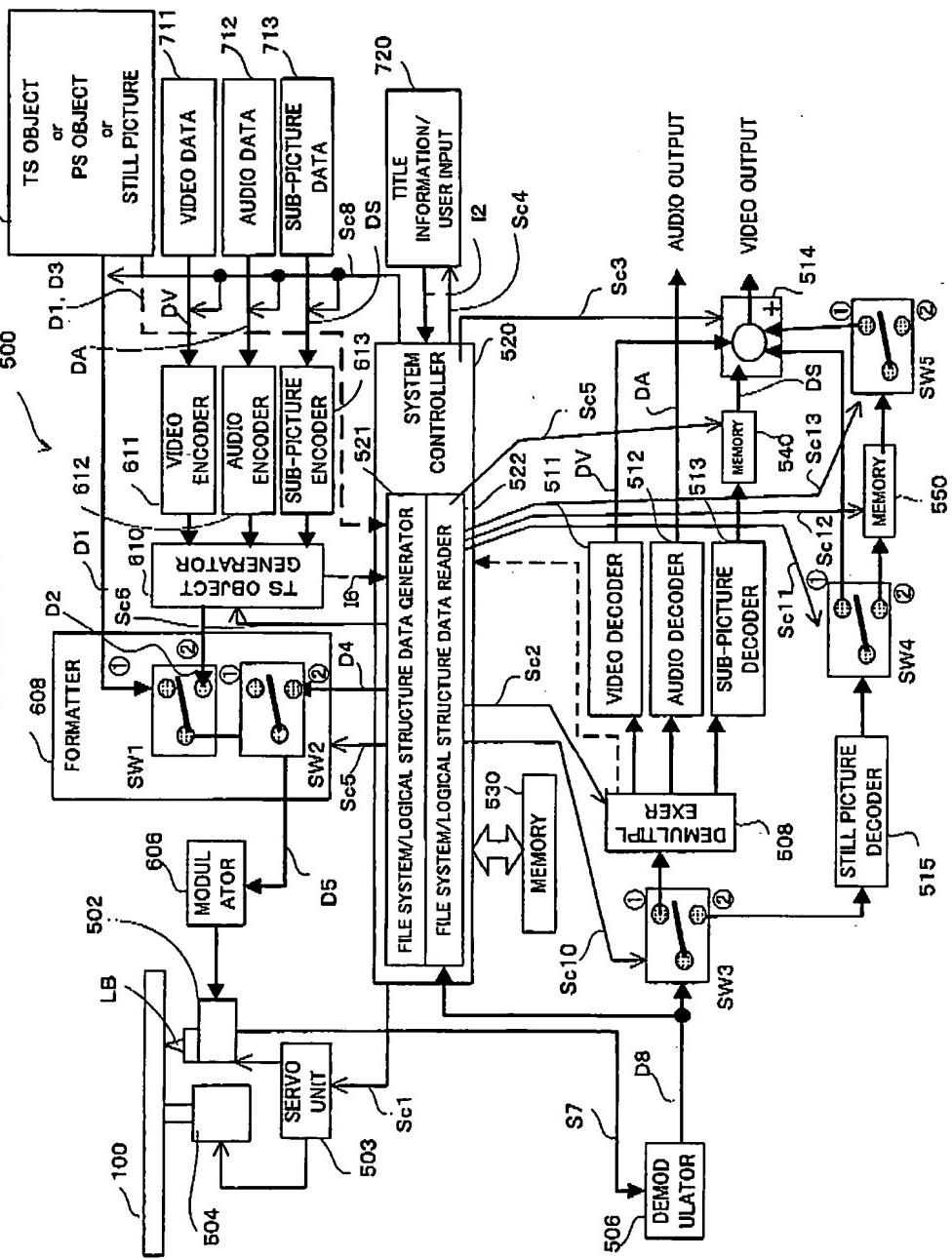
FIG. 13

13/38



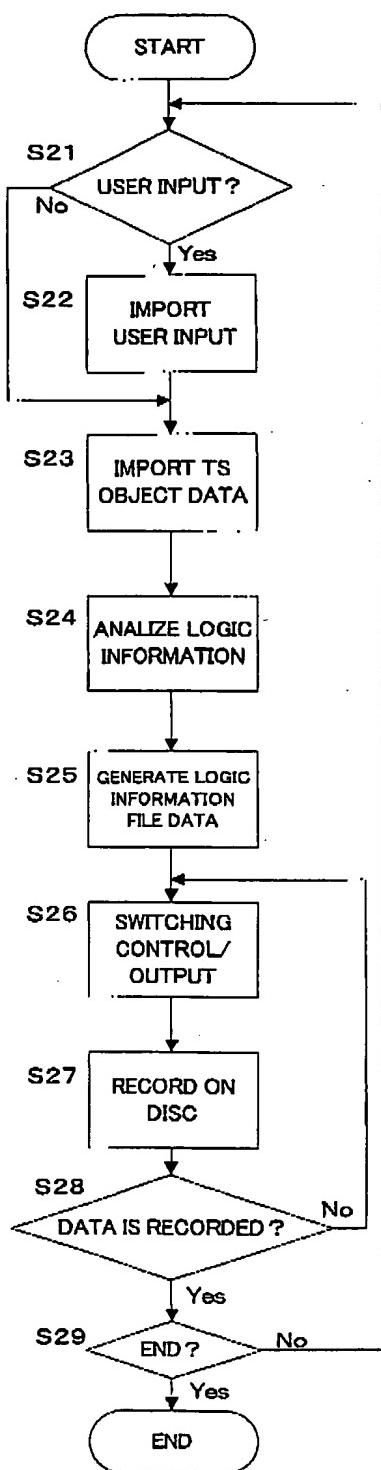
14/38

FIG. 14



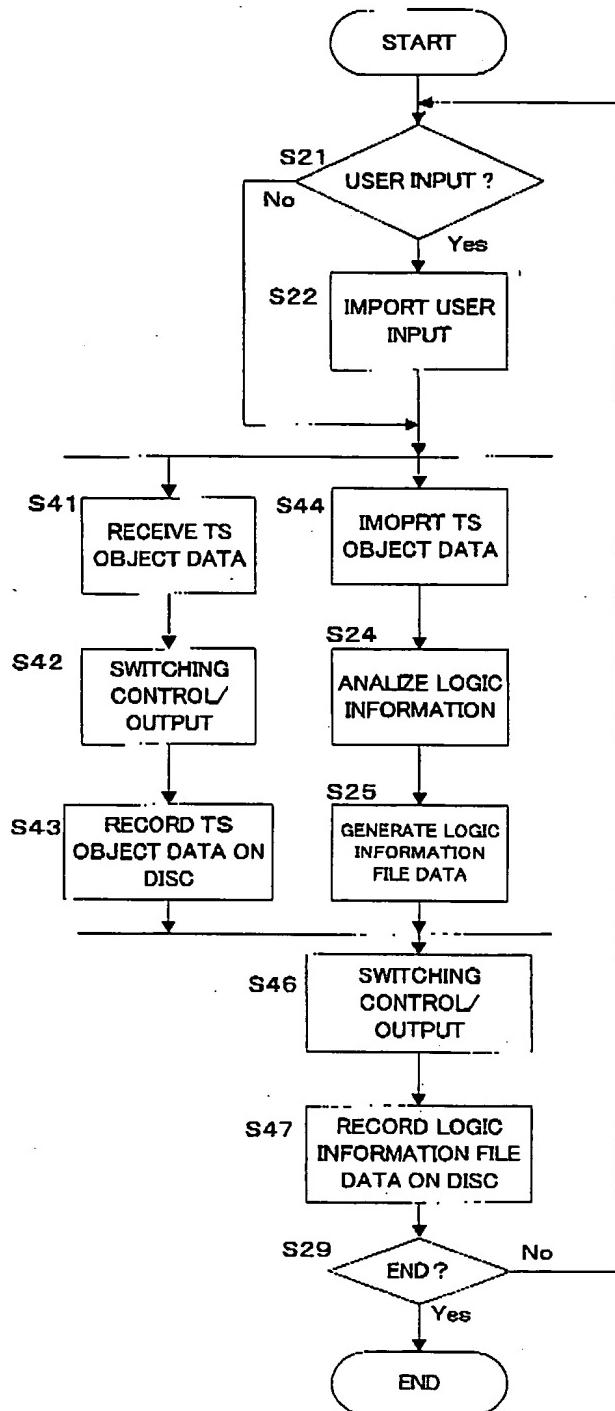
15/38

FIG. 15



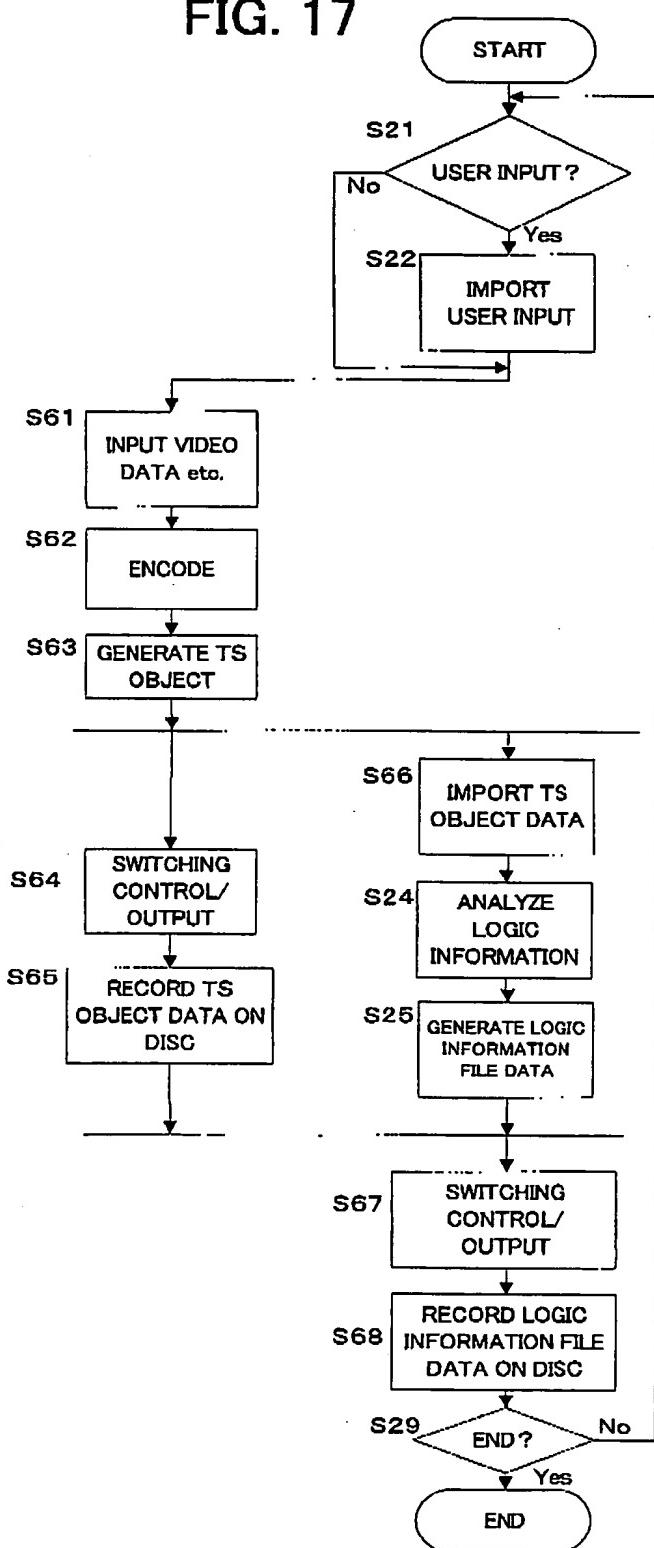
16/38

FIG. 16



17/38

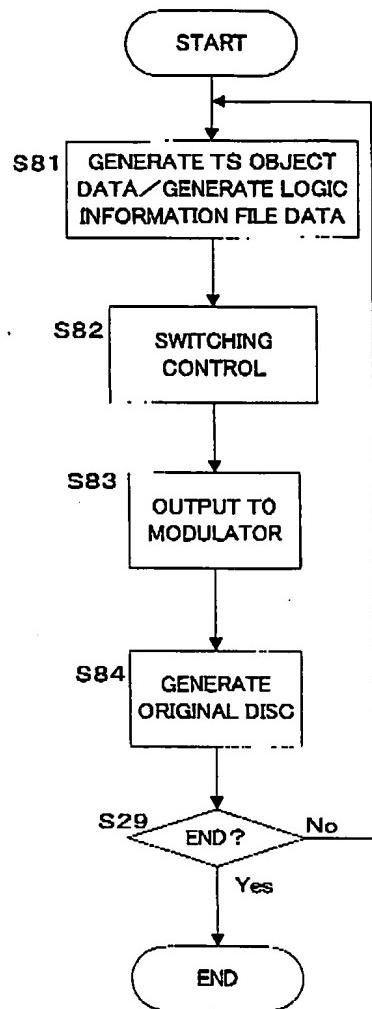
FIG. 17



10/529865

18/38

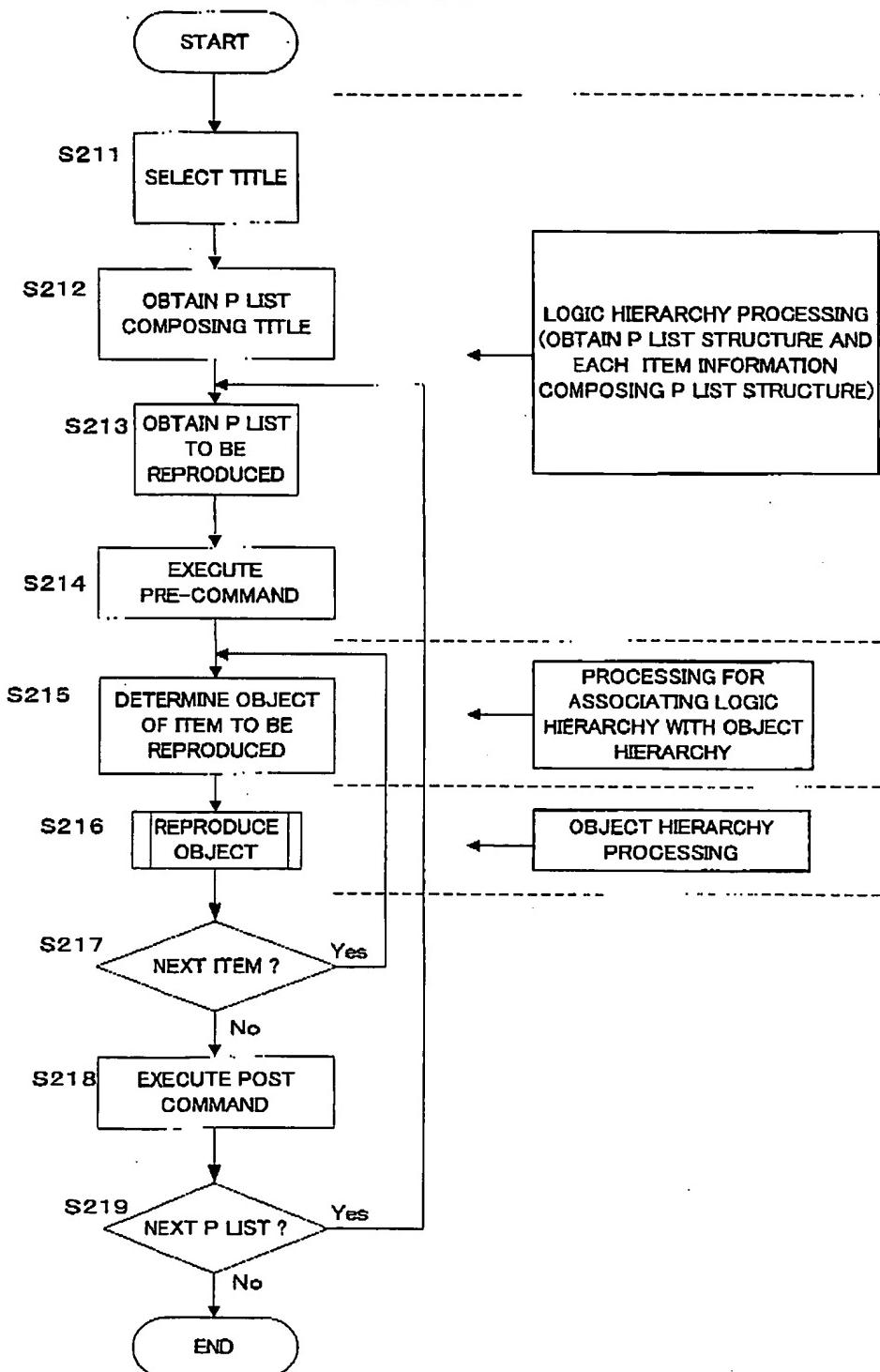
FIG. 18



10/529865

19/38

FIG. 19



10/529865

20/38

FIG. 20(a)

7 2 1 : SP CONTROL INFORMATION

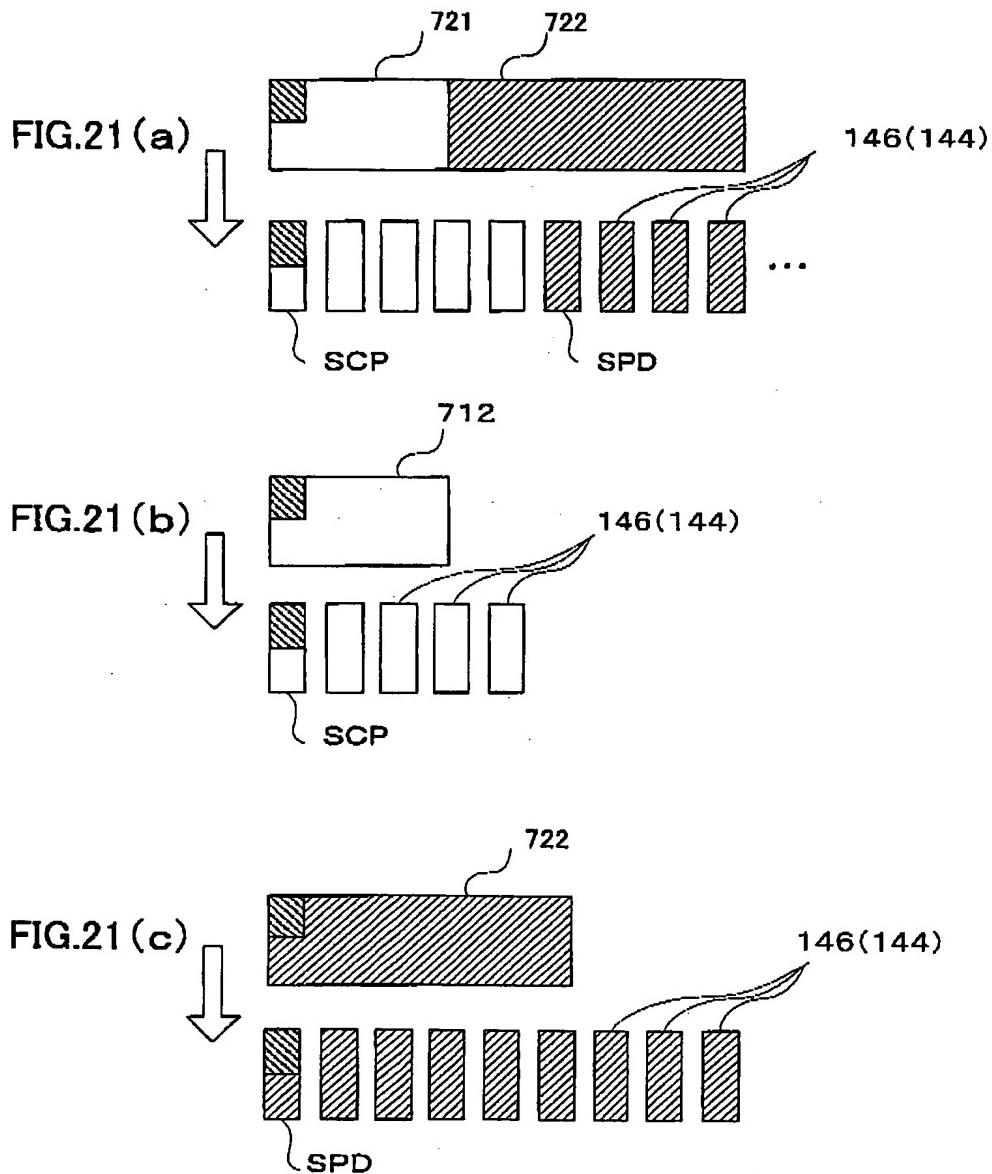
SCP HEADER	SP DATA IDENTIFIER
	SP DATA POSITION INFORMATION
	OTHER INFORMATION
SF CONTROL PARAMETER	SF DATA DISPLAY START TIME POINT
	SF DATA DISPLAY END TIME POINT
	OTHER INFORMATION

FIG. 20(b)

7 2 2 : SP DATA STRUCTURE

STRUCTURE INFORMATION	SP DATA IDENTIFIER
	SP DATA LENGTH
	OTHER INFORMATION
SP DATA	IMAGE DATA (Bitmap, JPEG etc.)
	OTHER INFORMATION

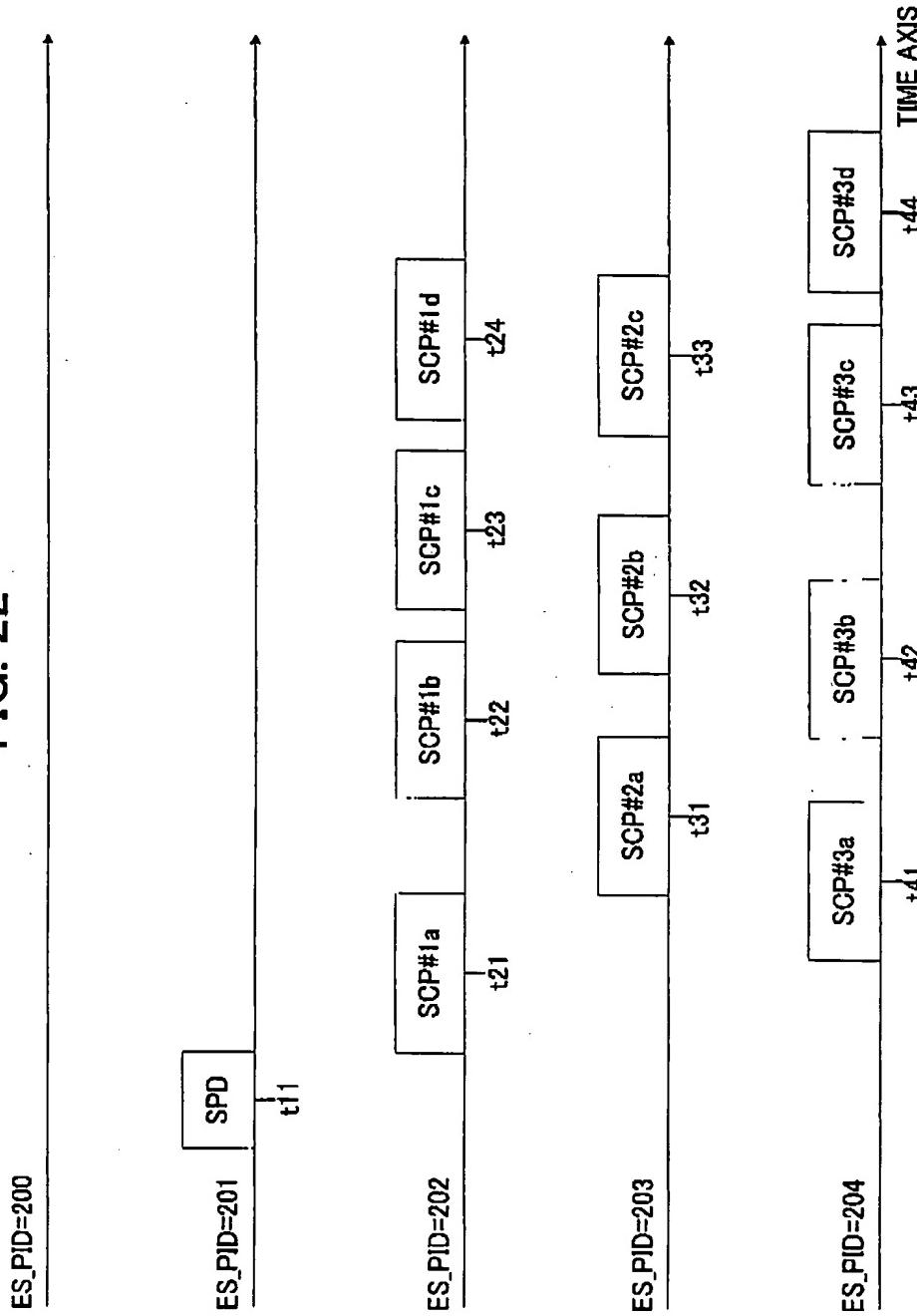
21/38



10/15/2005

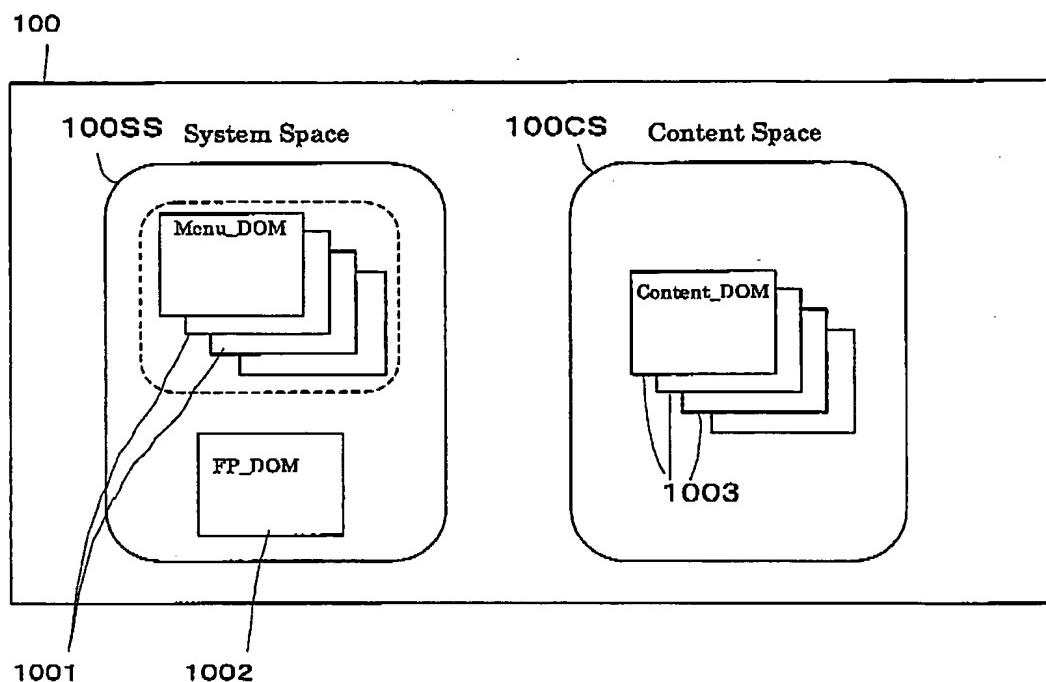
22/38

FIG. 22



23 /38

FIG. 23

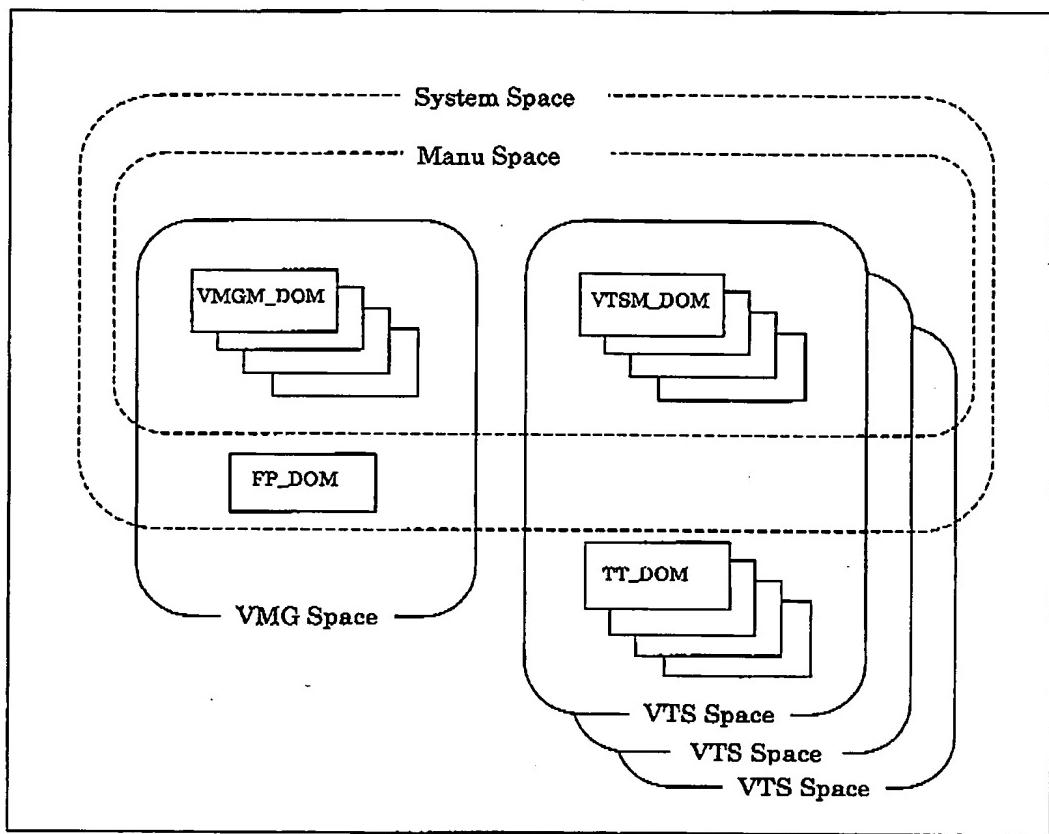


10/529865

TITLE: INFORMATION RECORD MEDIUM, INFORMATION RECORD APPARATUS AND METHOD,
INFORMATION REPRODUCTION APPARATUS AND METHOD, INFORMATION RECORD

24 /38

FIG. 24



25 /38

FIG. 25

Comprehensive Information		the Number of Title Info., the Number of Play Lists, etc.
Title Info. # 0	Menu Title # 0	Play List # 1
	Content Title # 0	Play List # 1 4 , Play List # 1 5
Title Info. # 1	Comprehensive Info.	Title Name, etc.
	Menu Title # 1	Play List # 8 , Play List # 2 0
	Content Title # 1	Play List # 2
Title Info. # 2	Comprehensive Info.	Title Name, etc.
	Menu Title # 2	none
	Content Title # 2	Play List # 6 , Play List # 3
Play List Info.	Play List # 1	Pointer to Play List# 1
	Play List # 2	Pointer to Play List# 2
	...	
	Play List # n	Pointer to Play List# n

10/529265

TITLE: INFORMATION RECORD MEDIUM, INFORMATION RECORD APPARATUS AND METHOD,
INFORMATION REPRODUCTION APPARATUS AND METHOD, INFORMATION RECORD

26 /38

FIG. 26

SPRM 1	Title number of content title whose reproduction is started	
SPRM 2	Title number of title menu in which SPrM 10~13 are set (0 indicates that SPrM 10~13 are not set by title menu)	
SPRM 3	Resume Flag	Video index number
SPRM 4	Resume Flag	Audio index number
SPRM 5	Resume Flag	On/Off Flag SCP number
SPRM 6	Resume Flag	Angle number
SPRM 7	(omitted)	
SPRM 8	(omitted)	
SPRM 9	(omitted)	
SPRM 10	Video index number	
SPRM 11	Audio index number	
SPRM 12	On/Off Flag	SCP number
SPRM 13	Angle number	

1043-2008/2

27 /38

FIG. 27

SPRM	Parameter Name	(1)	(2)	(3)
SPRM 2	Title number in system space	0	1	2
SPRM 3	Video stream number by Disc menu	1	1	1
SPRM 4	Audio stream number by Disc menu	1	1	1
SPRM 5	SCP stream number and On/Off flag by Disc menu	1	1	1
SPRM 6	Angle number by Disc menu	1	1	1
SPRM 10	Video stream number	1	3	1
SPRM 11	Audio stream number	1	1	2
SPRM 12	SCP stream number and On/Off flag	1	1	1
SPRM 13	Angle number	1	1	1

10/529865

28 /38

FIG. 28

Reproduction position information In system space	Title number Play List number PI number PU number PTS (Index number in the case of still picture) etc.
Other information	other

TITLE: INFORMATION RECORD MEDIUM, INFORMATION RECORD APPARATUS AND METHOD,
INFORMATION REPRODUCTION APPARATUS AND METHOD, INFORMATION RECORD

29 /38

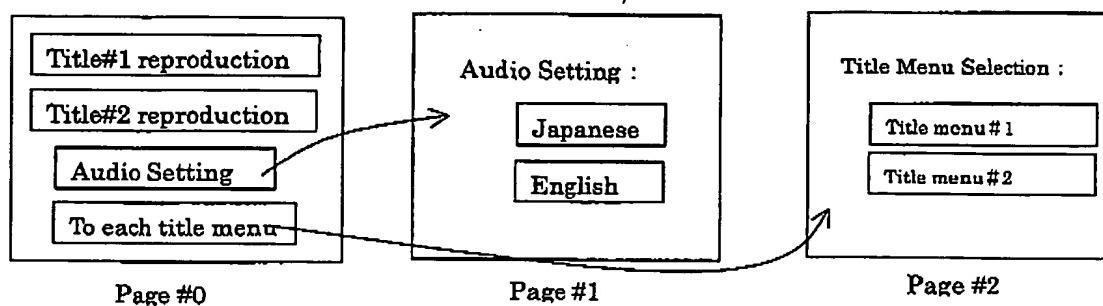
FIG. 29

Reproduction position information In content space	Title number Play List number PI number PU number PTS (Index number in the case of still picture) etc.
Selected stream condition	(SPRM10) Video stream number (SPRM 11) Audio stream number (SPRM 12) SCP stream number and On/Off flag (SPRM 13) Angle number
Other information	other

10/529865

30 /38

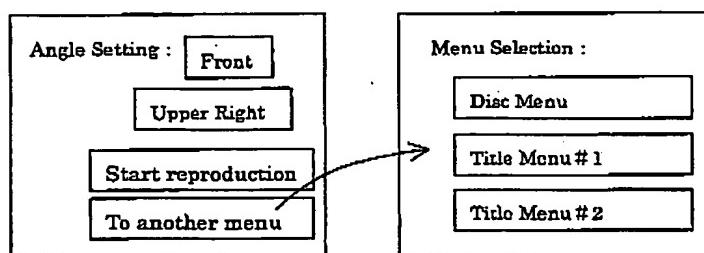
FIG. 30



101529865

31/38

FIG. 31



Page #0

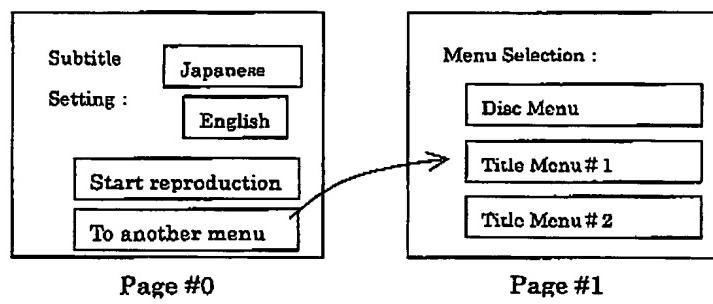
Page #1

10/529865

DOCKET No.: 8048-1100
INVENTOR: NOBUYUKI TAKAKUWA ET AL.
FILING DATE: APRIL 1, 2005
TITLE: INFORMATION RECORD MEDIUM, INFORMATION RECORD APPARATUS AND METHOD,
INFORMATION REPRODUCTION APPARATUS AND METHOD, INFORMATION RECORD

32 /38

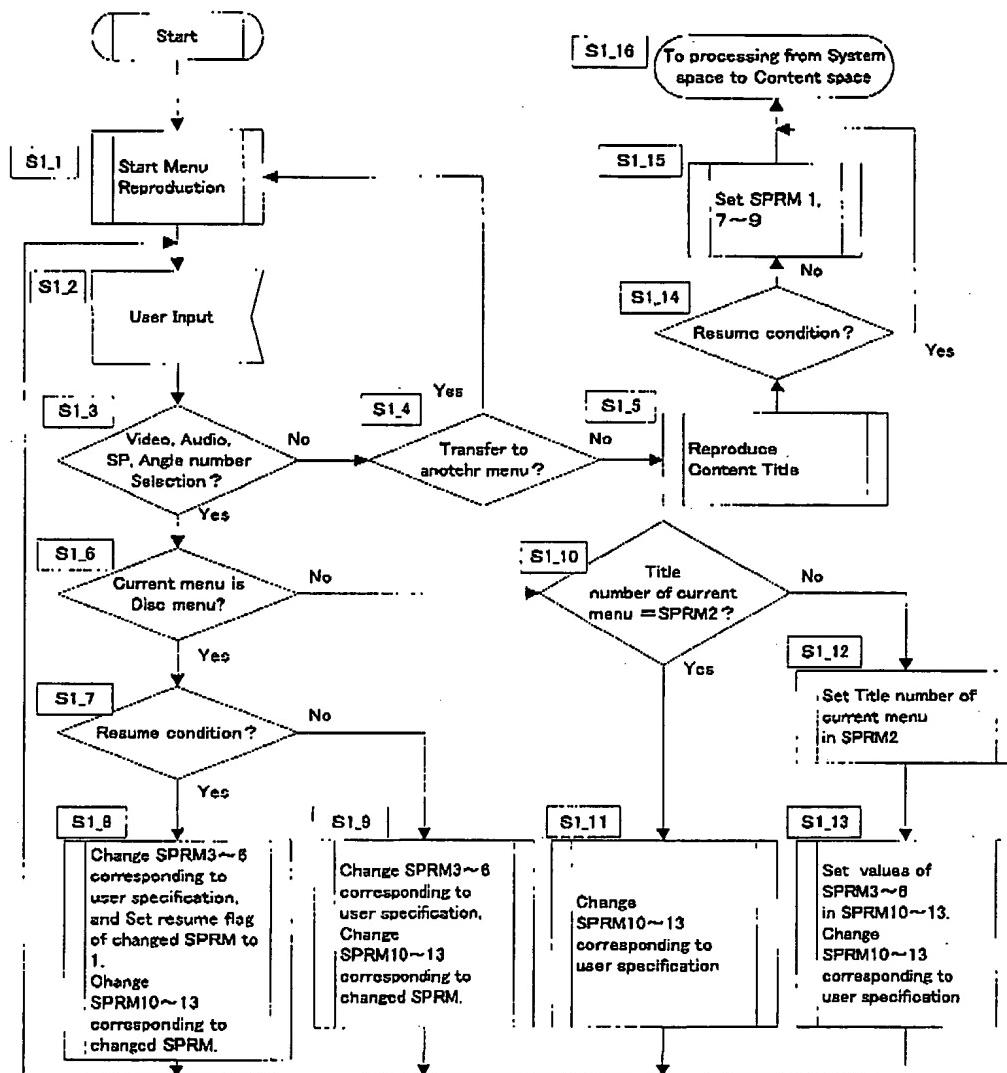
FIG. 32



10/529865

83 /38

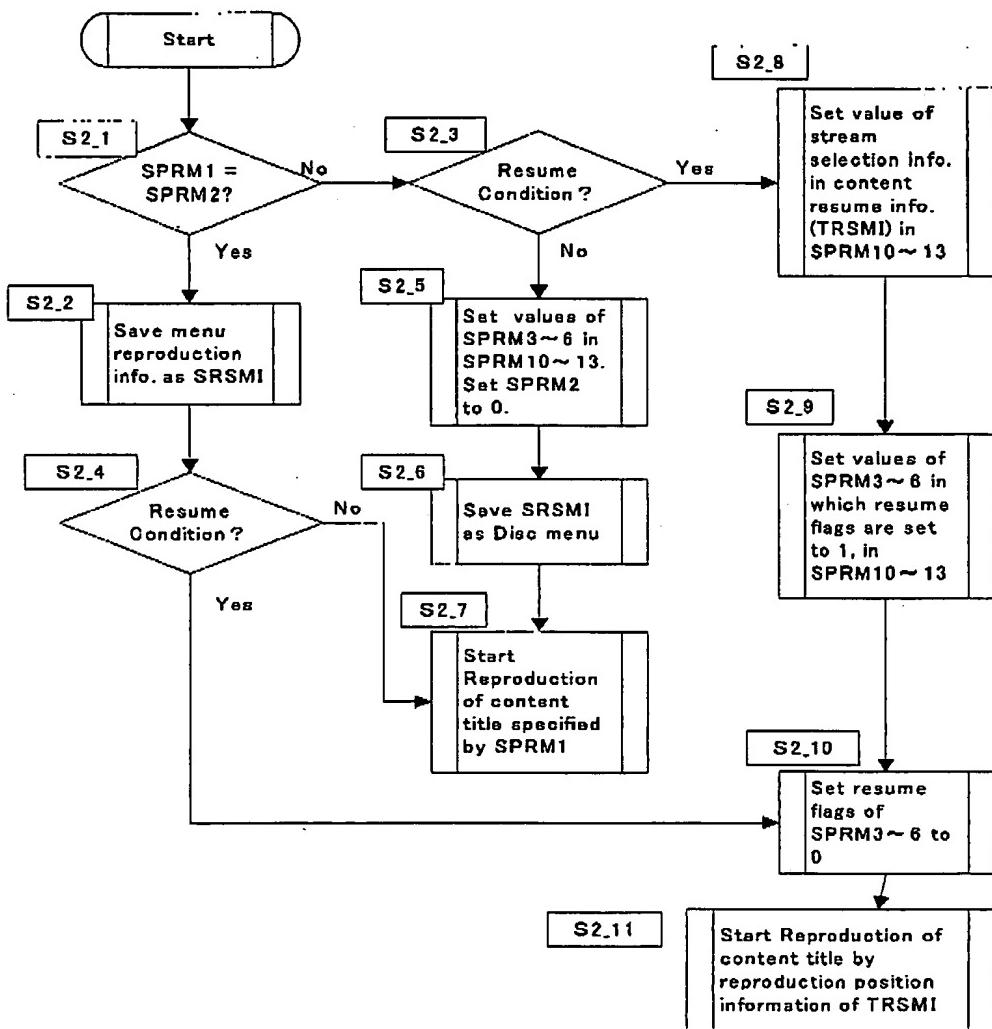
FIG. 33



10/529865

34 /38

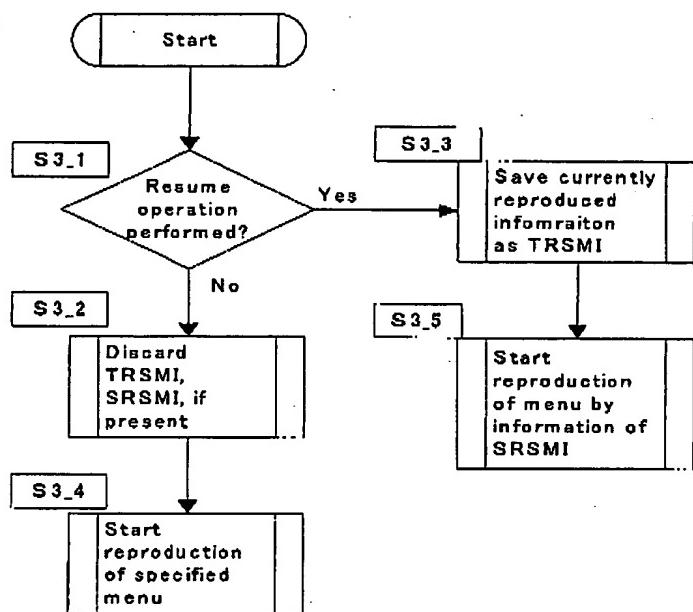
FIG. 34



10/529865

35/38

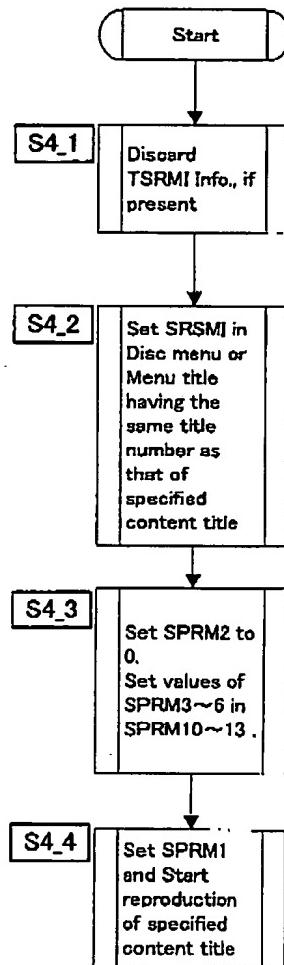
FIG. 35



10/529865

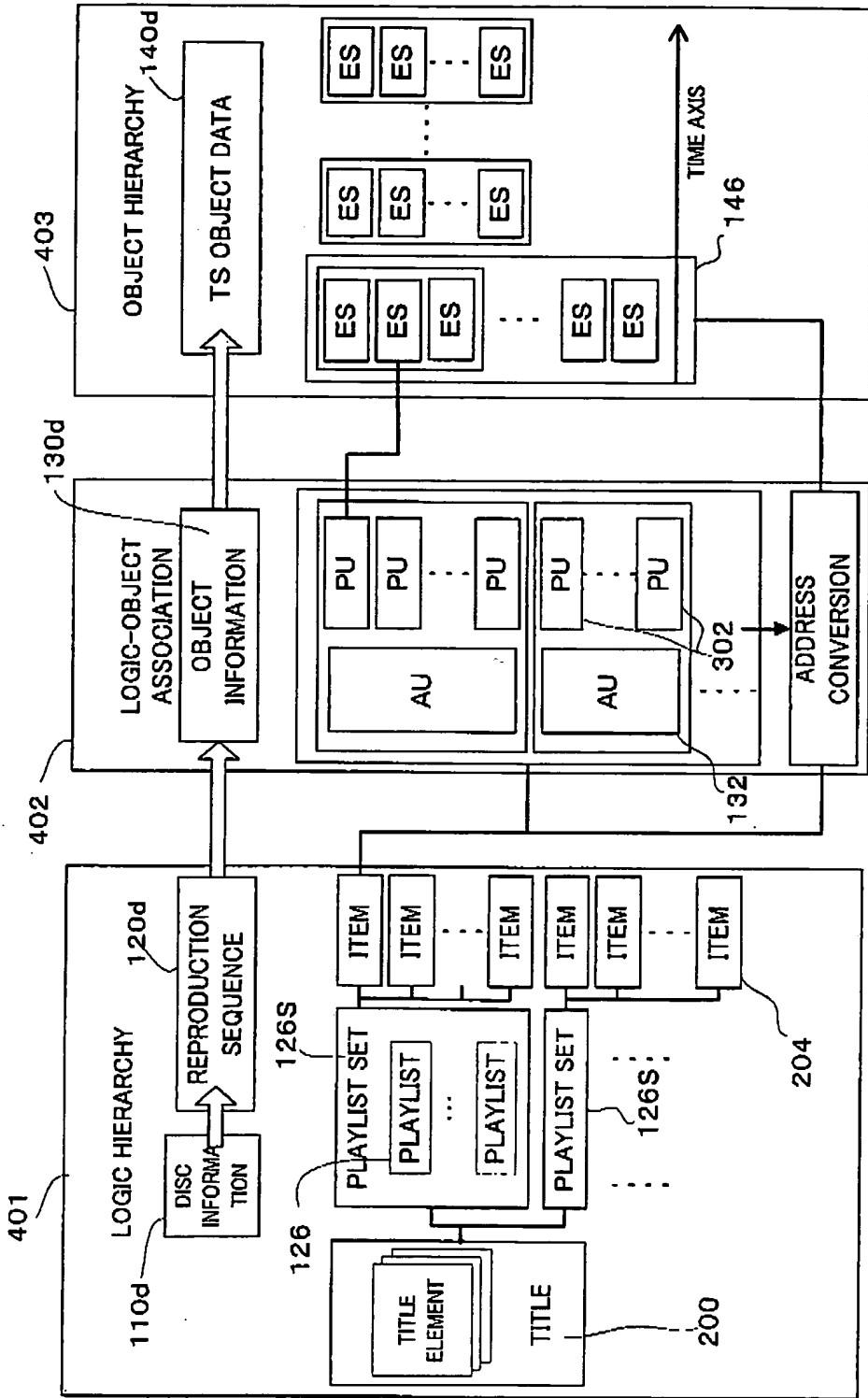
36 /38

FIG. 36



37/38

FIG. 37



10/529865

TITLE: INFORMATION RECORD MEDIUM, INFORMATION RECORD APPARATUS AND METHOD,
 INFORMATION REPRODUCTION APPARATUS AND METHOD, INFORMATION RECORD

38/38

FIG. 38

131

AU Table

Field Name	Contents		
AU Table Comprehensive Information			the Number of AUs, Pointer to Each AU, etc.
AU Table	AU#1	PU#1	ES_Table_Index#1 ES_Table_Index#2
	132I	PU#2	ES_Table_Index#1 ES_Table_Index#2
		PU#1	ES_Table_Index#1 ES_Table_Index#2
	AU#2	PU#2	ES_Table_Index#1 ES_Table_Index#2
		PU#1	ES_Table_Index#1 ES_Table_Index#2
	302I	PU#2	ES_Table_Index#1 ES_Table_Index#2
		PU#1	ES_Table_Index#1 ES_Table_Index#2 ES_Table_Index#3
		302I	ES_Table_Index#4 ES_Table_Index#5
			14 15 16 17 18
	Other Info.		
			Position of ES_Map table, etc.

134

ES_Map Table

Field Name	Contents
ES_Map Table	ES_Map Table Comprehensive Information
	Index #1
	Index #2
	Index #3
	Index #4
	Index #5
	Index #6
	Index #7
	Index #8
	Index #9
	Index #10
	Index #11
	Index #12
	Index #13
	Index #14
	Index #15
	Index #16
134d	
Other Info.	

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.